



KN-69

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Johannes B. Baatrup, et al.
Serial No: 10/691,110
Filed: October 22, 2003
For: PRESSURE INTENSIFIER
Examiner: Leonard Weinstein
Art Unit: 3746

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R:

The attention of the Examiner is hereby directed to the reference listed on the attached form PTO-1449.

The listed patent discloses a hydraulic intensifier in which the same fluid is used for driving the intensifier as is output

with an increased pressure. The pressure intensifier of this reference has an intensifier piston with a high pressure piston 18 and a low pressure piston 19. The intensifier piston is movable with the high pressure piston 18 in a high pressure cylinder 10, and with the low pressure piston 19 in a low pressure cylinder 12. The high pressure cylinder 10 is connected to a high pressure connection 17. The low pressure cylinder 12 is connected either to a supply connection 16 or to an exhaust via a control valve 22. The position of the control valve 22 is controlled by the position of the intensifier piston. This connects or disconnects a first control line 23, which is connected with the supply connection 16, with a second control line 25, which is connected with the control valve. In this way both control lines 23, 25 open into a region of the high pressure cylinder 10, which is completely within the movement range of the high pressure piston.

The presently claimed invention differs from this reference in that in the present invention a low pressure chamber bounded by the low pressure piston and the low pressure cylinder, in the second switching position of the switching valve, is connected by a connecting path with a chamber between the high pressure piston and the low pressure piston.

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The present invention defines a specific grid pressure intensifier which is not believed to be disclosed by the enclosed reference.

With the submission of this admitted prior art applicant complies with the duty of disclosure as set forth at 37 C.F.R. 1.56.

Any additional fees or charges required at this time in connection with this application may be charged to Patent and Trademark Office Deposit Account No. 11-1835.

Respectfully submitted,

By 

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Dated: August 20, 2007

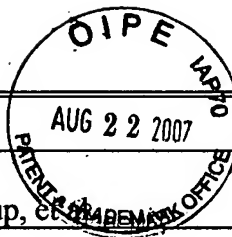
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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450 Alexandria, VA 22313-1450, on August 20, 2007.

By: 
Klaus P. Stoffel

Date: August 20, 2007



APPLICANT'S ART CITATION (Use several sheets if necessary)	Application 10/691,110	File No. KN-69
	Applicant Johannes V. Baatrup, et al.	
	Filing Date October 22, 2003	Group Art Unit 3746

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date MM-YYYY	Name	Class	Sub-class	Filing Date If Appropriate
	US-2864313	12/1958	Dawson			
	US-					
	US-					
	US-					
	US-					
	US-					
	US-					

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM-YYYY	Country	Class	Sub-class	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	Date Considered
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.